

Date: Wed, 28 Jul 93 07:44:55 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #912  
To: Info-Hams

Info-Hams Digest                      Wed, 28 Jul 93                      Volume 93 : Issue    912

Today's Topics:

    -.-. .-- -.-. .-- ... (3 msgs)  
        2 meter vs scanner antennas  
        Alinco DJ-F1T experiences  
        Fixing the books  
        historic question  
How many people actually use paddles ? (4 msgs)  
    IC-22U/PL Boards  
    KC0Q/N0II CMOS SuperKeyer II - Manual?  
    Radio Shack (a former managers insight)  
    S meters and modern technology  
STILL waiting for your license? Read this and weep!  
    TS50 Illegal!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
-----

Date: 28 Jul 93 13:21:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: -.-. .-- -.-. .-- ...  
To: info-hams@ucsd.edu

          E L E C T R O N I C    M A I L  
(DDN Host Address: V3.HANSCOM.AF.MIL)

Date:            28-Jul-1993 08:21  
From:            Capt William Szarek  
Username:        SZAREKW

Dept: ESC/XRR  
Tel No:

TO: \_WINS% ( \_DDN[INFO-HAMS@UCSD.EDU] )

Subject: -. . . .-

--- -. . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .-

--- -. . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .-

-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-  
-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-

-. . . .- . . . .- . . . .- . . . .- . . . .- :-)

-. . . .- . . . .- . . . .- . . . .- . . . .-

-----

Date: 28 Jul 93 10:16:29  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: -. . . .- . . . .- . . . .- . . . .- . . . .-  
To: info-hams@ucsd.edu

>--- -. . . .- . . . .- . . . .- . . . .- . . . .-  
>-. . . .- . . . .- . . . .- . . . .- . . . .- . . . .-  
>-. . . .- . . . .- . . . .- . . . .- . . . .-

>--- -. . . .- . . . .- . . . .- . . . .- . . . .-  
>-. . . .- . . . .- . . . .- . . . .-

We can all call it rec.radio.amateur.neo-luddite

Bob

--

-----  
Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown

-----  
Date: Wed, 28 Jul 1993 13:58:59 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!IASTATE.EDU!  
wjturner@network.ucsd.edu  
Subject: -. . .-- -. . .-- ...  
To: info-hams@ucsd.edu

In article <9307281246.AA16023@ucsd.edu>, SZAREKW%SI02.DEcnet@v9.hanscom.af.MIL  
(SI02::SZAREKW) writes:

```
>
>               E L E C T R O N I C   M A I L
>               (DDN Host Address:  V3.HANSCOM.AF.MIL)
>
>               Date:      28-Jul-1993 08:21
>               From:      Capt William Szarek
>               Username:   SZAREKW
>               Dept:       ESC/XRR
>               Tel No:
>
> TO:  _WINS%                ( _DDN[INFO-HAMS@UCSD.EDU] )
>
>
> Subject: -. . .-- -. . .-- ...
>
> --- -. . . . .-- -. . .-- -. . .-- -. . .--
> . . . . .-- -. . .-- -. . .-- -. . .-- -. . .--
> . . . .-- -. . .-- -. . .-- -. . .-- -. . .--
>
> --- -. . . . .-- -. . .-- -. . .-- -. . .-- -. . .--
> . . . .-- -. . .-- -. . .-- -. . .-- -. . .--
>
> .-- . . . . .-- . . . .-- . . . .-- . . . .-- . . . .--
> - . . . . .-- . . . .-- . . . .-- . . . .-- . . . .--
> .-- . . . .-- . . . .-- . . . .-- . . . .-- . . . .--
> . . . .-- . . . .-- . . . .-- . . . .-- . . . .-- . . . .--
> .-- .--
>
> .-- . . . .-- . . . .-- . . . .-- . . . .-- . . . .-- :-)
>
>               ^^^
```

shouldn't that be ".... .."? :-)

```
>
> -. . . .-- -. . .-- -. . .-- -. . .--
```

Actually, the "...-.-" should be BEFORE the call. So:

".....- ... . .- - - .- - - - - .- - - - - .."

73, Will, NORDV, or:

--... ..- . ... -.-. ..- .-.. ....-.- -.. . -.- - - - - .-.- ..- ...-

--

Will Turner, NORDV  
wjturner@iastate.edu | "Are you going to have any professionalism, |  
twp77@isuvax.iastate.edu | or am I going to have to beat it into you?" |  
TURNERW@vaxld.ameslab.gov -----

-----

Date: 28 Jul 93 13:40:30 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!boulder!boulder!  
eesnyder@network.ucsd.edu  
Subject: 2 meter vs scanner antennas  
To: info-hams@ucsd.edu

I just got a big 2 meter antenna to use with my FT-530 in my car. Until recently, I have been using a RS glass mount scanner antenna with so-so results. Just for the hell of it, I tried the 2 meter antenna on my Pro-37 scanner and noticed an interesting phenomenon: the scanner volume was much lower when using the 2 meter antenna (monitoring at 146.700) compared to the glass mount or the rubber duckie. I notice no such difference when monitoring the same frequency with the HT. Any ideas what's happening?

Thanks,

Eric E. Snyder  
Department of MCD Biology ...making feet for childrens' shoes.  
University of Colorado, Boulder  
Boulder, Colorado 80309-0347

-----

Date: Wed, 28 Jul 1993 13:59:20 GMT  
From: pa.dec.com!e2big.mko.dec.com!jac.nuo.dec.com!news.crl.dec.com!news!  
jallao.zk3.dec.com!hansen@decwrl.dec.com  
Subject: Alinco DJ-F1T experiences  
To: info-hams@ucsd.edu

Does anyone out there have any experience with the Alinco DJ-F1T?

I'm interested in any info, but am specifically wondering:

Just how tough is this radio? (have seen Alinco ads with radios being run over by auto)

Is it worth purchasing the HP (5 watt) variant? Does it get hot as the 580T is alleged to?

Thanks,  
Paul Hansen  
AA1GJ

-----  
Date: 28 Jul 93 10:09:42  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: Fixing the books  
To: info-hams@ucsd.edu

This would have to be a director at large. I personally would not want an inexperienced person representing my area. I would like representation for the newly licensed but not at my district's expense.

Bob

--

-----  
Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown

-----  
Date: Wed, 28 Jul 1993 08:03:34 GMT  
From: netnews.nwnet.net!bach.seattleu.edu!quick!ole!ssc!  
tad@beaver.cs.washington.edu  
Subject: historic question  
To: info-hams@ucsd.edu

In article <1993Jul23.203600.15107@ll.mit.edu> wjc@ll.mit.edu (Bill Chiarchiaro) writes:

>  
>  
> In the U.S., ham radio was also shut down during World War II  
>(although I think the old 112-MHz band was kept open for use by hams  
>in some sort of civil-defense type organization).  
>

This was the Wartime Emergency Radio Service. QST printed lots of

WERS construction articles during WWII.

Another popular construction project was carrier current transceivers! Hams were desperate for any kind of communication, and some of them actually built carrier current rigs and would attempt calling CQ over the power line in urban areas.

I even read in an old wartime QST about hams writing their calls on bathroom walls, hoping to get a response to their "CQ".

--

	tad@ssc.com	(if it bounces, use 3288544@mcimail.com)		
	Tad Cook	Packet Amateur Radio:	Home Phone:	
	Seattle, WA	KT7H @ N7DUO.WA.USA.NA	206-527-4089	

-----  
Date: Wed, 28 Jul 1993 10:53:43 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!sgiblab!wetware!khijol!erc@network.ucsd.edu  
Subject: How many people actually use paddles ?  
To: info-hams@ucsd.edu

Josh Rovero (rovero@attu.oc.nps.navy.mil) wrote:

: I use paddles all the time, and so do most of the other CW ops  
: I know. It is easier to send with a paddle, especially at higher  
: speeds. 25 years ago I started with straight keys and still  
: remember the degradation in fist quality as the night wore on....

Give me my Bencher paddles any day. Beats even a Vibroplex :)

--

Ed Carp, N7EKG                      erc@apple.com                      510/659-9560

If you want magic, let go of your armor. Magic is so much stronger than steel!  
-- Richard Bach, "The Bridge Across Forever"

-----  
Date: Wed, 28 Jul 1993 13:17:40 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!IASTATE.EDU!wjturner@network.ucsd.edu  
Subject: How many people actually use paddles ?  
To: info-hams@ucsd.edu

I don't know much about paddles, but I have a Vibroplex bug (old thing I got as a present when I got my license) that I've practiced with. I'm not much good yet, but still working. :-)

My suggestion to you, if you haven't already, is to get a straight key and learn to send with that first. I know it can be more difficult (not what I've found, but...), but I've heard from many experienced hams that it will give you a better fist when you do move on to something else.

BTW--anyone want to do some CW QSOs? I'm usually on around 0000Z, on the lower end of 20 and 30 meters (Advanced portion), or the novice subbands of 40 and 15 meters. Email me if you'd like to set something up, or listen for me on the bands.

73, Will, NORDV

```
--
Will Turner, NORDV
wjturner@iastate.edu      | "Are you going to have any professionalism, |
twp77@isuvax.iastate.edu  | or am I going to have to beat it into you?" |
TURNERW@vaxld.ameslab.gov | -----
```

```
-----
Date: Wed, 28 Jul 1993 13:33:06 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!uwm.edu!linac!att!cbnews!
wrb@network.ucsd.edu
Subject: How many people actually use paddles ?
To: info-hams@ucsd.edu
```

In article <1993Jul27.172349.5003@uoft02.utoledo.edu> mohan@tulip.es.utoledo.edu writes:

```
>Hello,
>How much percentage of cw operators use paddles?
>I want to work on cw when my license (finally) gets here.
>Is it difficult to learn to send with the paddle/keyer combos?
>And my understanding is that paddles are expensive? Can someone with experience
>suggest a few paddles in different price ranges?
>Thanks :)
>--mohan/Waiting...
```

```
>=====
>+ Mohanakrishna Pakkurti          + mohan@jupiter.cse.utoledo.edu          +
>+ HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073 +
>=====
```

Mohan:

I don't know the percentage, but many cw ops use paddle/keyer combos. As far as difficulty, it varies with the person. Benchers paddles come with a nice little reprint of an article going over the basics of using paddles and an iambic keyer. In my opinion, the hardest thing to learn is actually using it iambically. By that I mean, using the fact that squeezing the paddles together makes alternating dits and dahs. I've seen very experienced operators using the paddles like two separate keys - one for dits and one for dahs. Once you get the hang of iambic operation, it hardly looks like you are moving your fingers.

For example, sending CQ:

- squeeze the paddles together, hitting the thumb (dahs) first, hold until you get a C
- hold the thumb (dahs) - anytime during the second dah, tap the dit paddle, making a Q

It's kind of hard to explain, you just need to play around with it.

A good set of black base Benchers is under \$80, a CMOS Super Keyer II KIT is under \$50.

Hope this helps.

--

+=====+ Happy user of OS/2 2.0!  
| Wally Blackburn | Ask me about it!

-----

Date: 28 Jul 1993 14:16:32 GMT  
From: drt@athena.mit.edu  
Subject: How many people actually use paddles ?  
To: info-hams@ucsd.edu

In article <1993Jul27.172349.5003@uoft02.utoledo.edu>, mohan@tulip (Mohan Pakkurti) writes:

```
|> Hello,  
|> How much percentage of cw operators use paddles?  
|> I want to work on cw when my license (finally) gets here.  
|> Is it difficult to learn to send with the paddle/keyer combos?  
|> And my understanding is that paddles are expensive? Can someone with experience  
|> suggest a few paddles in different price ranges?  
|> Thanks :)  
|> --mohan/Waiting...  
|> =====
```



|> + Mohanakrishna Pakkurti + mohan@jupiter.cse.utoledo.edu +  
|> + HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073 +  
|> =====

Straight keys are okay, up to about 13 wpm. After that, paddles are the only way to go. (Anyone routinely send >16 wpm via straight key?) I like iambic keyers (squeeze and get didahdidahdidah... rather than dahdahdahdah...) but that's taste. I like the Bencher paddles best. If you have a few extra dollars, some memories are nice for CQs and contest operation. Keyer and paddles together are about a few times the cost of a good straight key, and well worth it. Learning is easy with a bit of off-the-air practice.

(Our keyer here only goes down to 16 wpm character length, so to get a slower speed you have to lengthen the spaces.)

If your speed is about 5 wpm, I'd advise getting a straight key first. I like navy knobs.

-drt

--

-----  
David R. Tucker           KG2S           drt@athena.mit.edu

|'Most political sermons teach the congregation nothing except       |  
what newspapers are taken at the Rectory.' -C.S. Lewis

-----  
Date: 28 Jul 93 12:36:43 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: IC-22U/PL Boards  
To: info-hams@ucsd.edu

Hi All,

I asked this once about six months ago, but the print out that had the answer. I remember a K4 at KSC answering.

Who has put a Comm Spec PL board into an Icom 22U (Uniform version not Sierra), which one of the CS boards did you use, and how did you do it (promise not to lose the print out this time)?

jd

-----

Date: 28 Jul 1993 13:35:21 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!  
news.ans.net!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.ucsd.edu  
Subject: KC0Q/N0II CMOS SuperKeyer II - Manual?  
To: info-hams@ucsd.edu

In a previous article, domae@lava.nrtc.northrop.com (Terry Domae) says:

>I'm looking around for the electronic copy of the manual for the KC0Q/N0II  
>SuperKeyer II. I've sent for the chip (68HC705) and such, but would like  
>to read more about it before hand.

>

>Also, given the condition of the Midwest region (esp. Cedar Rapids IA)  
>where the authors are from - I'm not going to expect anything for some  
>time.

>

>Thanks,

>--

>Terry Domae

>| Northrop Research Center | Phone/Fax: 310/544-5203 310/377-4271 |

>| One Research Park | Internet: domae@nrtc.northrop.com |

>| Palos Verdes, CA, 90274-5471 | Amateur Radio: KC6ROI

|

>

Look in the last couple of ARRL handbooks

--

Jeff M. Gold, AC4HF

Manager, Academic Computing Support

Tennessee Technological University

-----

Date: Tue, 27 Jul 93 11:14:57 CDT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!math.ohio-  
state.edu!uwm.edu!spool.mu.edu!umn.edu!kksys.com!edgar!brainiac!moron!pillock!  
stevej@network.ucsd.edu  
Subject: Radio Shack (a former managers insight)  
To: info-hams@ucsd.edu

randall@informix.com (Randall Rhea) writes:

> A better procedure would have been for the salesperson to take  
> down the information and call you back. But the salesperson  
> did the right thing in not keeping the customers in the store  
> waiting.

>

> Radio Shack pays minimum wage (plus sometimes a small commission)

> to its salespeople. It relies on young students and manager-wannabes.  
> Sometimes they know about the product line, but most of the time  
> they don't. The average sales clerk only works there for a few  
> months. It's the same at most other retailers.

>

Randall

With the exception of Egghead Software!!!

Of course the problem with RS is that the tone of the store is often set by the manager. When I worked for RS, I found, hired, and trained my own people. I ensured that they read every piece of lit. that came out of Fort Worth and consistently coached and tested them on their salesmanship and knowledge. That investment into those employees paid off in that my store had a very low employee turn over rate. Many of those employees went on to become successful managers, but while they worked for me they helped me earn many awards including a trip to Hawaii. We never had any less than a 20% sales gain and I was making better than 35k a year in 1984. That was a pretty good wage in retail at the time. I finally left RS because at 6 days a week from 9 to 9, I missed out on the first 6 months of my daughters life.

Several years ago RS severely overhauled the managers bonus compensation and many managers experienced a 10k to 15k pay cut. Hence, many of the senior managers left. RS has some 6000 or so company stores. It was hard enough to find good dedicated people when the pay plan was lucrative. It is easy to see why the quality of service has been dropping steadily since the late '80's.

Steve, KA0VYB

(A former 7 year veteran of RS and proud of it, but I can still criticize them and I still buy there but then I know the store better than they do!)

-----

Date: 28 Jul 93 11:28:38 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: S meters and modern technology  
To: info-hams@ucsd.edu

Gary, KE4ZV wrote:

>My fuzzy memory says Collins introduced the S scale in the late 1930s or  
>early 1940s. The scale originally topped out at S9, the +db part was added

I sorta suspected it was back in that time frame somewhere!

>later. That's because 50 uV was considered a very strong signal in those  
>days when most hams were running 100 watts plate \*input\* power, or less.  
>Only a very few wealthy hams had higher power equipment. The scale then  
>descended in 6 db steps to S0, a signal inaudible on most receivers of the  
>day due to internal receiver noise. The S scale was intended to be a more

Practical too, I'd say!

>objective replacement for the old S in RST. Even in those days, DXers

Yup, and it fits the reporting system in vogue. Now it comes together  
and even makes good sense. But, with the stuff we have available today  
does it still do justice, or does it matter at all, I wonder? I'd  
rather see some kind of indicator that did a more accurate job, but we've  
got what we've got I suppose.

>all gave 599 reports if they needed the card.

Not much change here huh?

>It was common amateur practice in those days to deal with signal levels  
>in microvolts rather than the more exotic dbm. Since 50 uV was a nice

Well, makes sense too! If we had indicators that were at least reasonable  
it sure would tell someone more meaningful info, don't you think? I mean  
telling a guy he's 67uv tells him exactly what strength he is. S9+10-15  
may not! But then again, if the Smeter was accurate it'd be conveying  
the same thing I guess.

>round number, and easily generated and measured with the equipment of  
>the day, it was chosen rather than 45 or 63 or some other odd number  
>as the reference level. Collins equipment of the era was accurately  
>calibrated to this reference level( +/- 3%). Most radios of the era  
>that were bandswitched, many were single band, did so by physically  
>plugging coils or entire modules in for each band. Some even had plug  
>in tuning scales. Whether it was intended for there to be plug in  
>calibration modules for each band or not, I don't know. I've never  
>seen one.

>Gary

Interesting stuff Gary! Brings back some memories too.

My first transmitter was homebrewed, using a single 6V6GT, I think it  
was, and plug-in coils for 40 & 75; about 6W out. When I could afford  
it the move up to the Ranger I and I was in hog heaven when I passed

the general and advanced! 45W out on 10 on AM! And it even had a VF0!

73

Paul

WB2OYC

ar..

-----  
Date: 28 Jul 1993 07:10:49 -0400

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!  
genrad.com!genrad.com!not-for-mail@network.ucsd.edu

Subject: STILL waiting for your license? Read this and weep!

To: info-hams@ucsd.edu

In article <1993Jul27.162241.6032@linus.mitre.org> eubanks@mitre.org (Vern Eubanks) writes:

>In article <22ojraINNd76@sweetpea.genrad.com> dls@genrad.com (Diana L.

>Carlson) writes:

>> THANK YOU, ARRL AND W5YI AND ALL THE REST, FOR THE SERVICES YOU PROVIDE.

>

>I would like to see a VE-issued, temporary callsign that allows operation  
>at the earned level of achievement, or a subset - say just VHF privileges,  
>until the actual ticket arrives. The callsigns could be of a unique  
>format, something like "WT9876AB"; where "WT" or "WN" correspond to Tech or  
>Novice; "9876" corresponds to a specific VE session & is assigned in  
>blocks by the VEC organization. The format provides an expiration code  
>derived from the specific VE session - say, the last day of the 3rd month  
>following the session. The local examiners retain the particulars on the  
>call/name/address/date. Another format is fine if there's a problem with  
>this one.

Actually, I think a system similar to this is being considered. In a recent W5YI Report (one of the most useful ham publications I receive, sorry ARRL, I like QST too, but I read W5YI Report as soon as I get it), there was an article about the system that the FCC is looking at. Generally, once the person passed and had a CSCE in his possession, he could actually USE the license immediately. The temporary callsign would be two letters (like KN) followed by the number for his group (ie, 1 in MA, 9 in IN, etc), followed by his three initials. So, as an example, mine would be something like KN1DLS (or KN1DLC, if you want to get real picky....).

I haven't heard yet if/when this will be implemented, but there were indications that it could happen as soon as the fall time.

Diana L. Carlson

--

->Diana L. (Syriac) Carlson dls@genrad.com Ham: KC1SP (Sweet Pea) <-  
->I'D RATHER BE FLYING! P-ASEL, INST CAP: CPT, Freedom 690 Mobile<-  
->AD ASTRA, PER ASPERA Airplane: None :-(  
<-  
->GenRad, MS/6, 300 Baker Ave, Concord, Mass. 01742 (508)369-4400 x2459 <-

-----  
Date: 28 Jul 93 10:08:09  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: TS50 Illegal!  
To: info-hams@ucsd.edu

I think I agree with Gary. The sidebands are in quadrature so they don't add. Your formula assumes they are in phase.

Bob

--  
-----  
Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown

-----  
End of Info-Hams Digest V93 #912  
\*\*\*\*\*